

Figure 1: Low Consistency Ozone Bleaching Using
Pressurized Ozone Generator

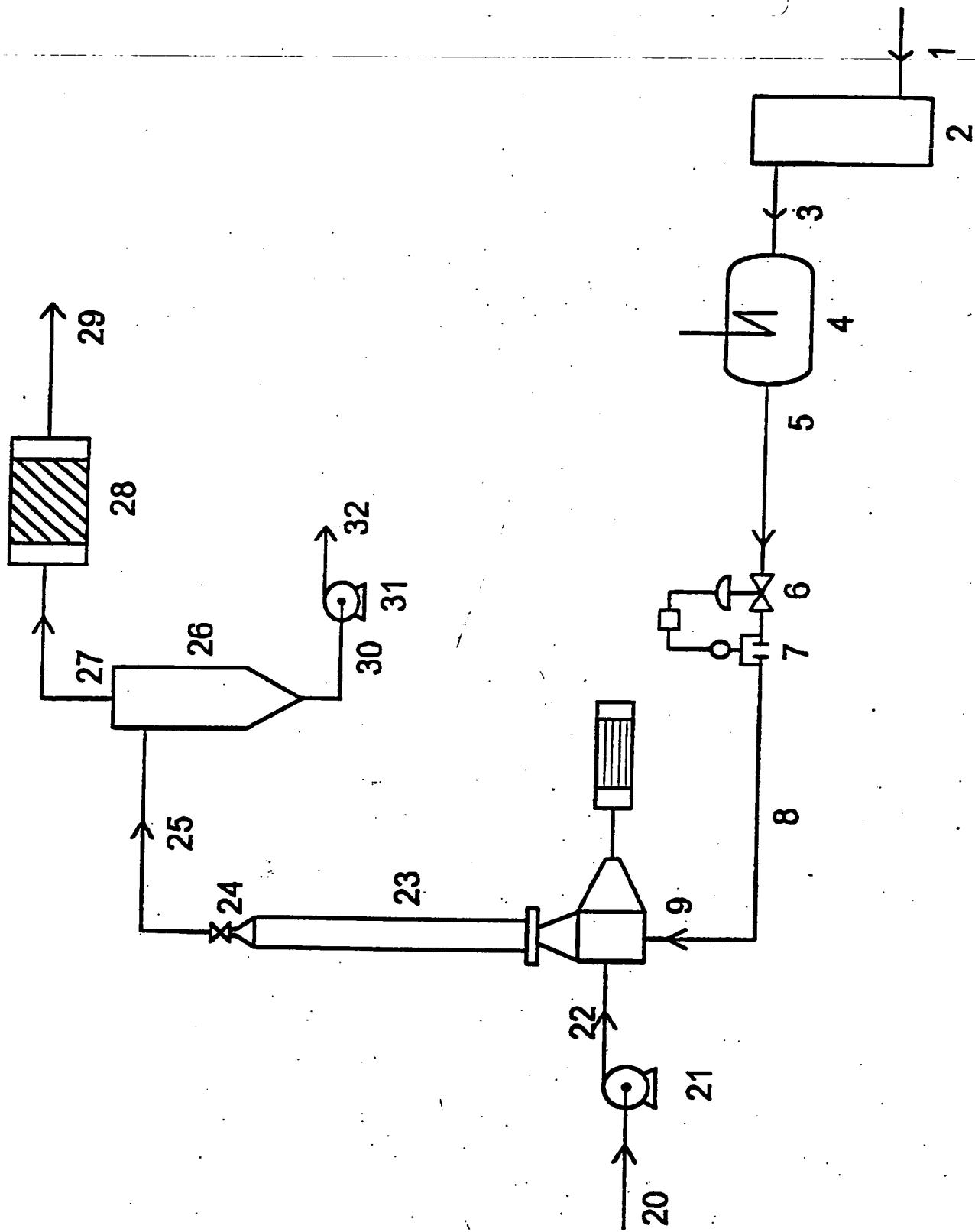


Figure 2: Low Consistency Ozone Bleaching Using Ozone Compressor

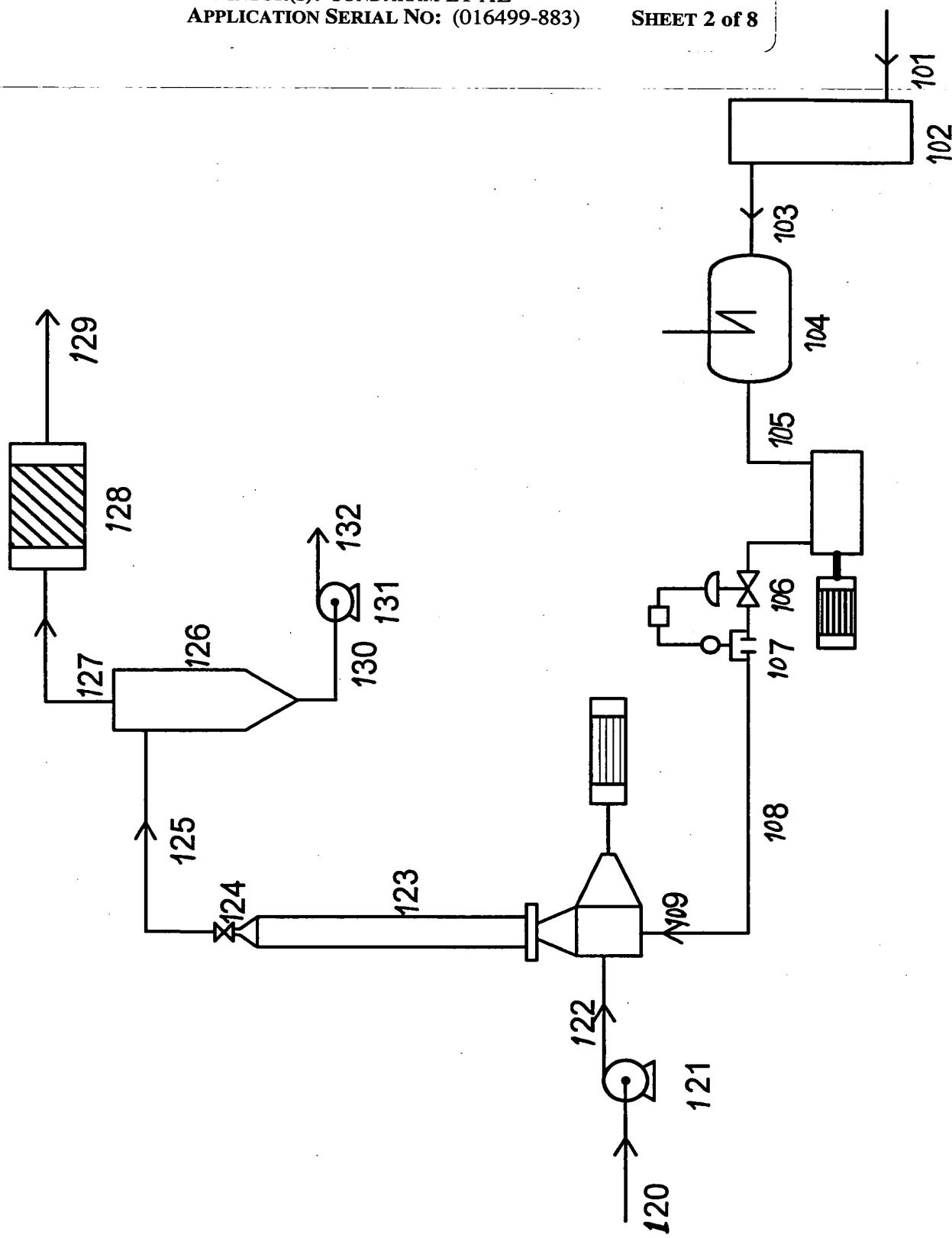


Figure 3: Low Consistency Ozone Bleaching Before D Stage Bleaching
Using Pressurized Ozone Generator

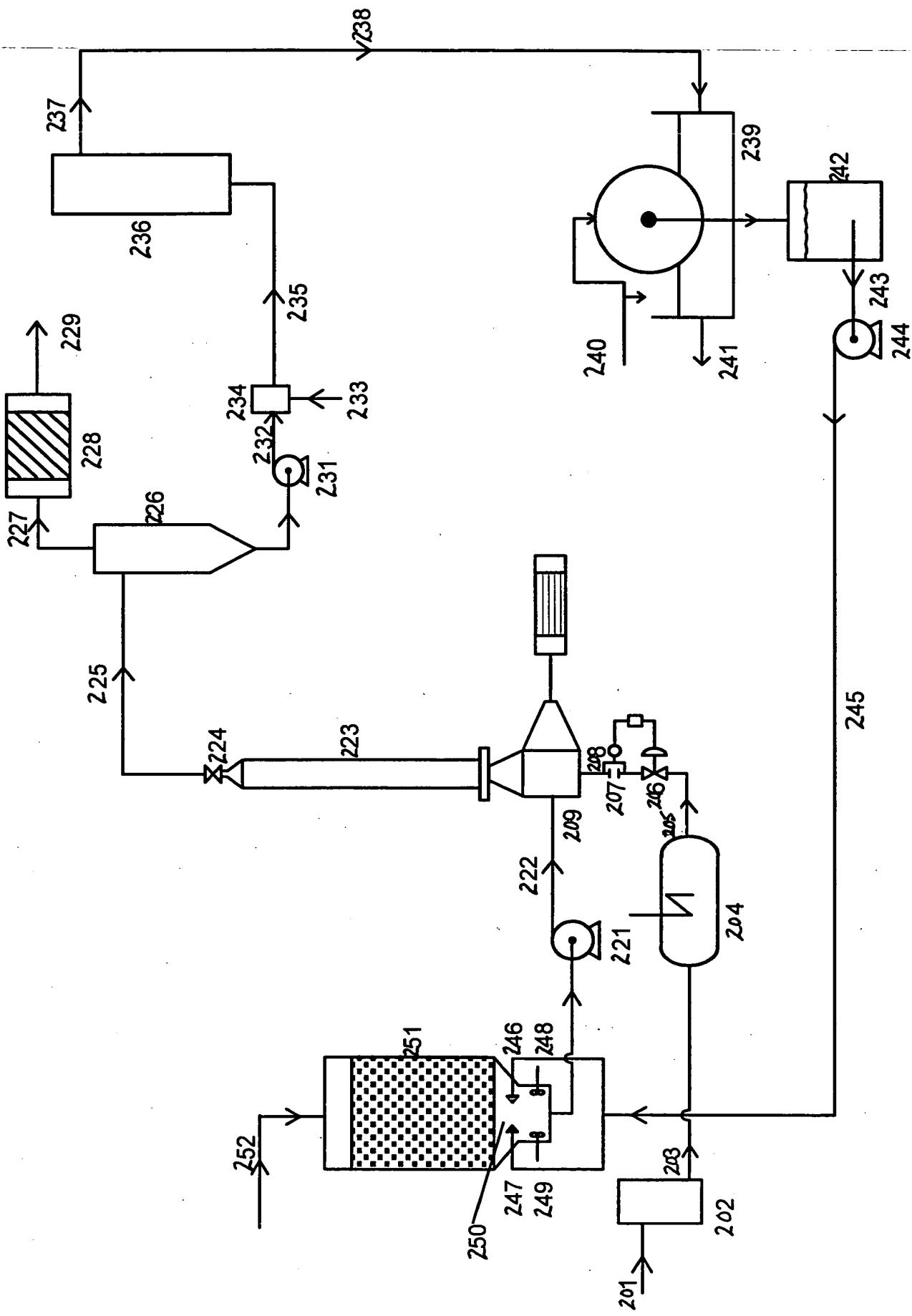


Figure 4: Low Consistency Ozone Bleaching Using Ozone Compressor Before D Stage Bleaching

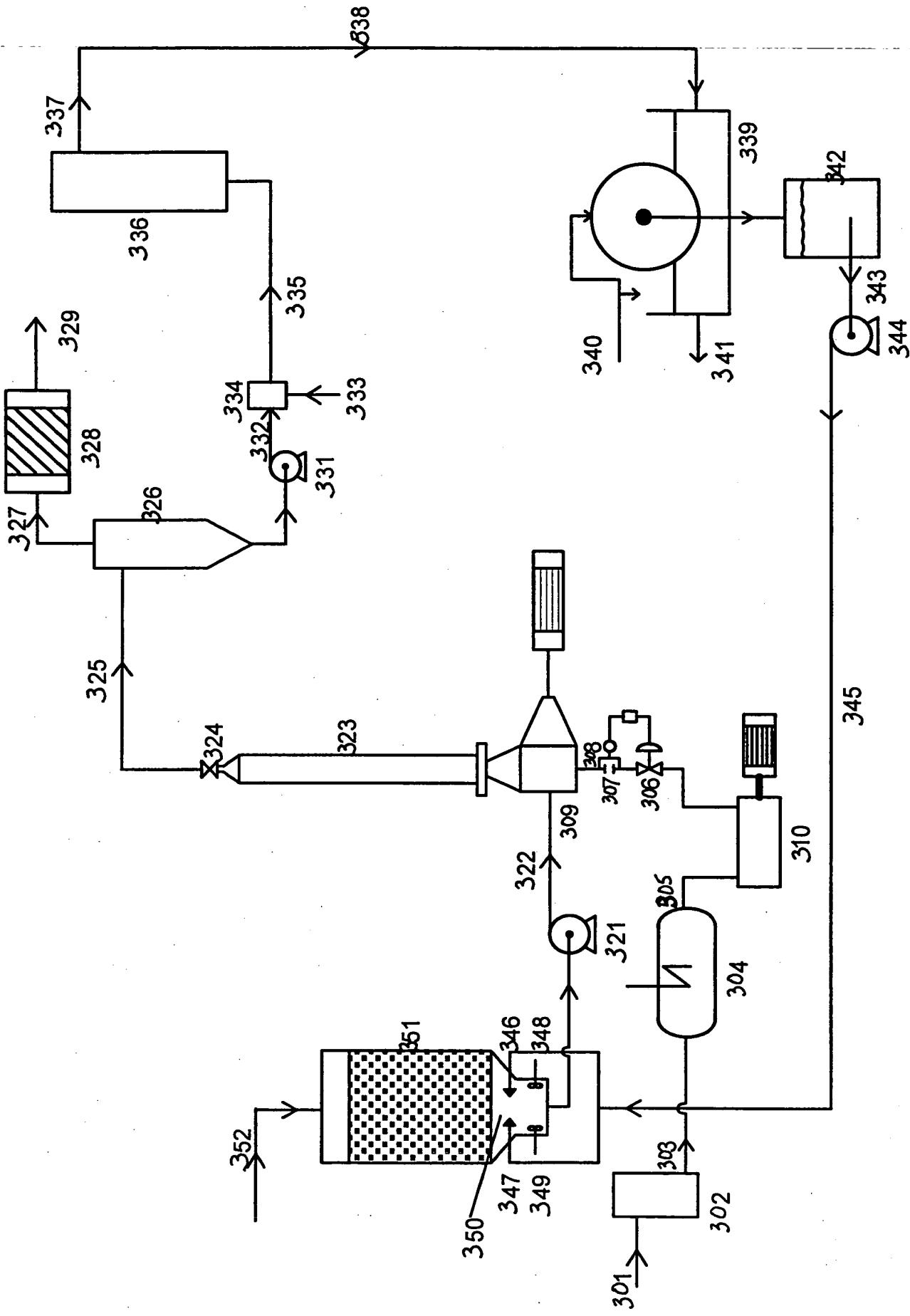


Figure 5: Low Consistency Ozone Bleaching After D Stage Bleaching Using Pressurized Ozone Generator

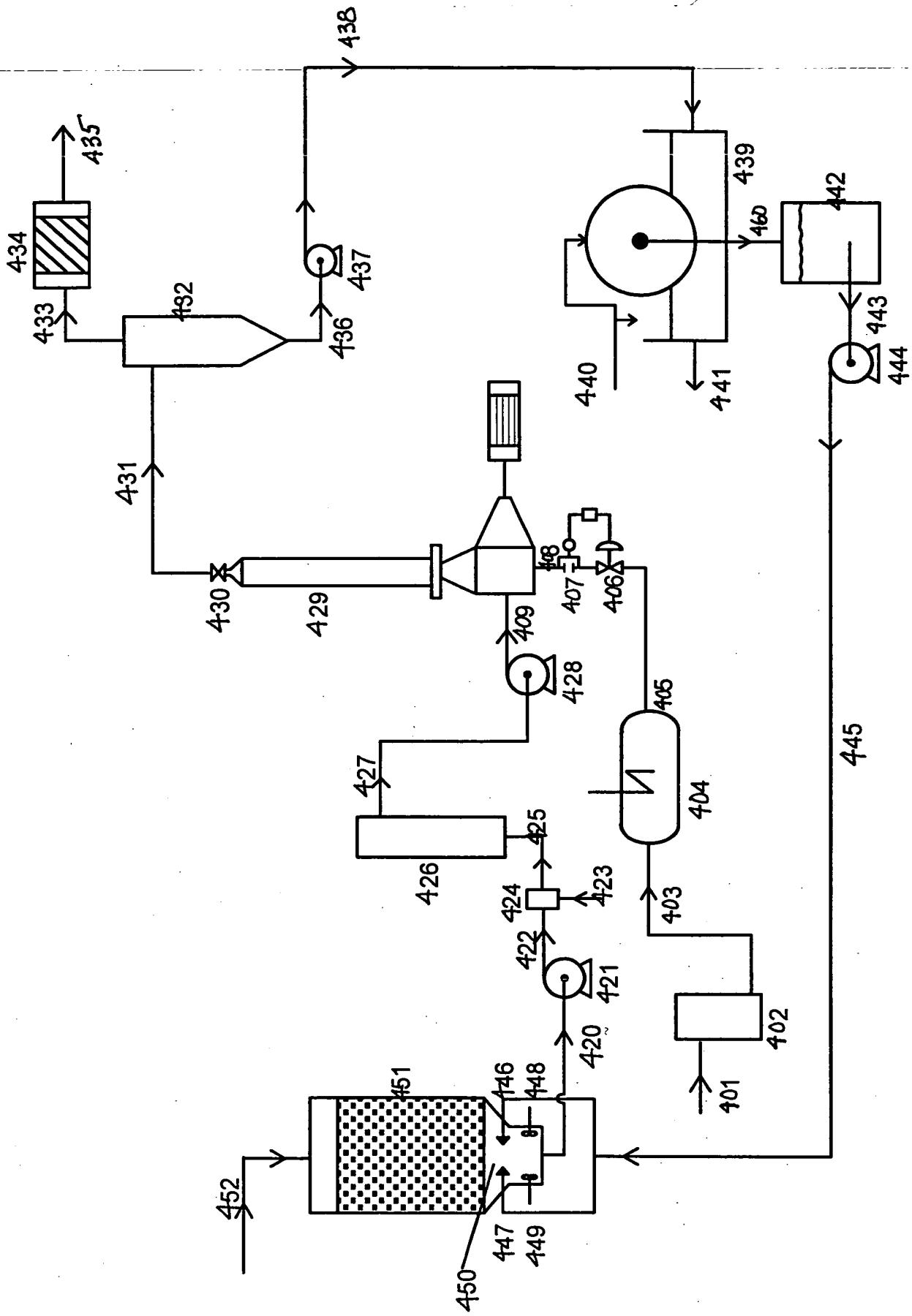


Figure 6: Low Consistency Ozone Bleaching Using Ozone Compressor After D Stage Bleaching

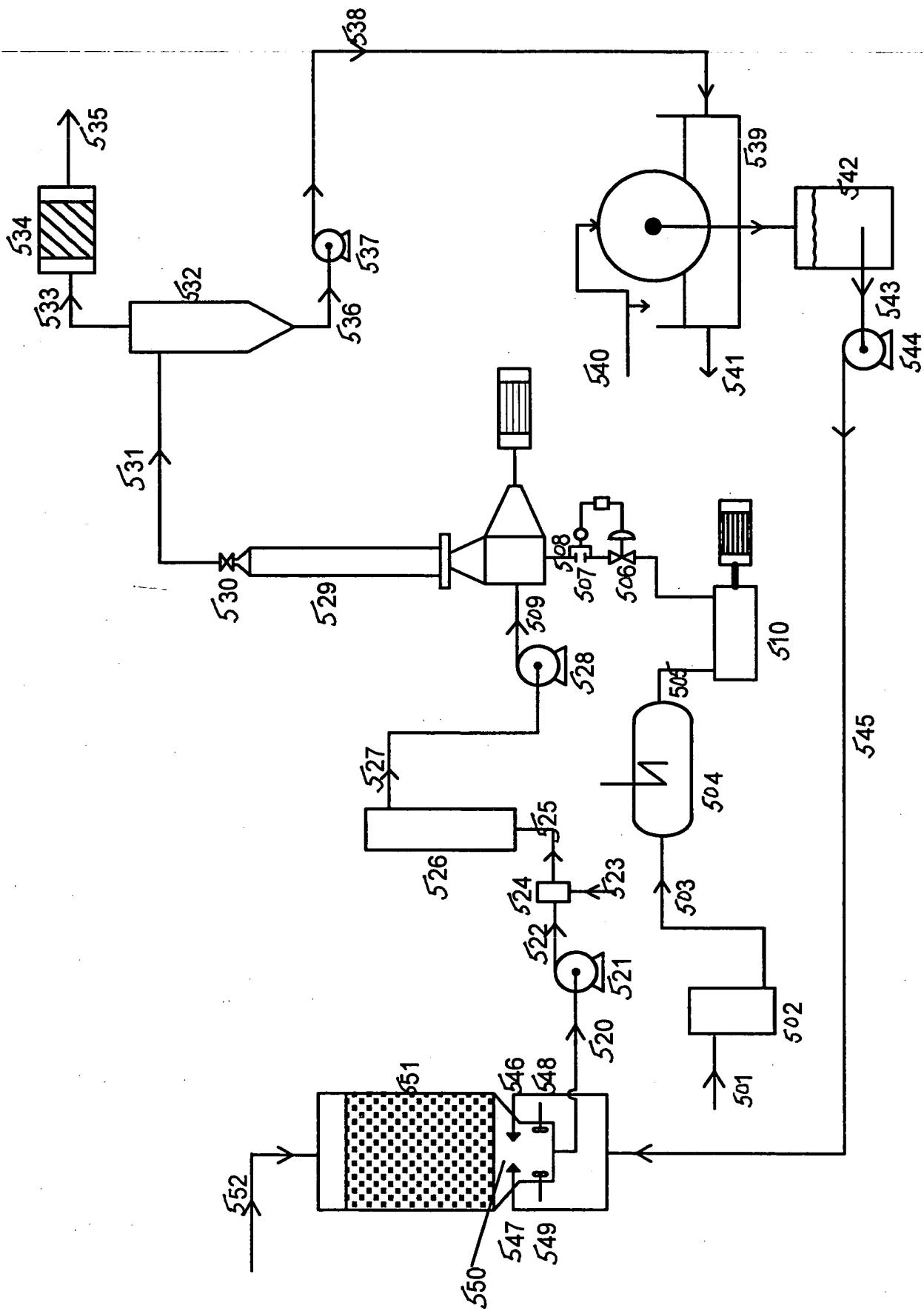


Figure 7 - (D/Z) Delignification Efficiency for Various Reactors at Low Consistency (2.5%-3.5%)

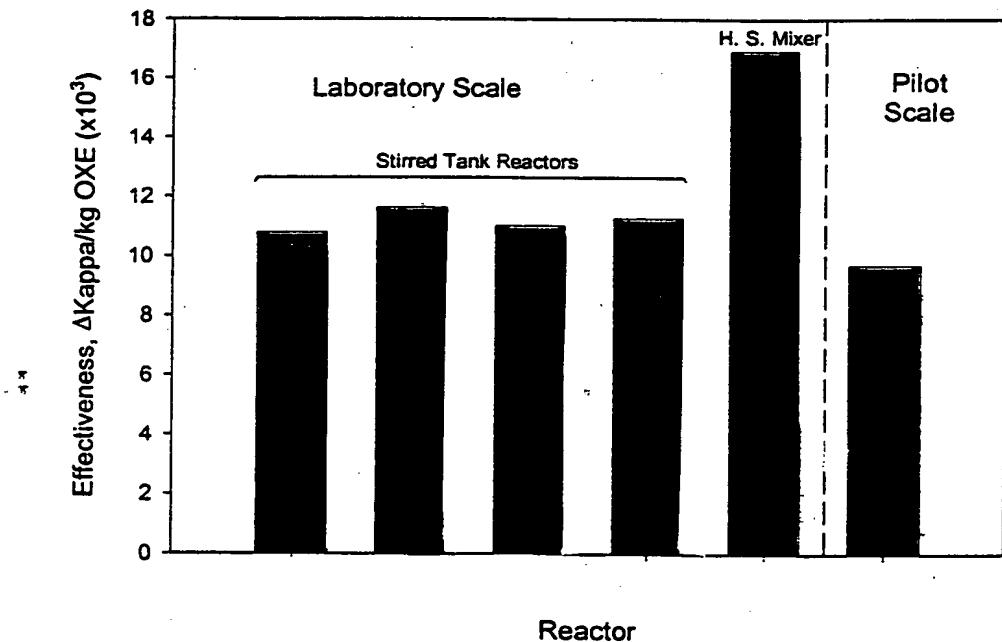
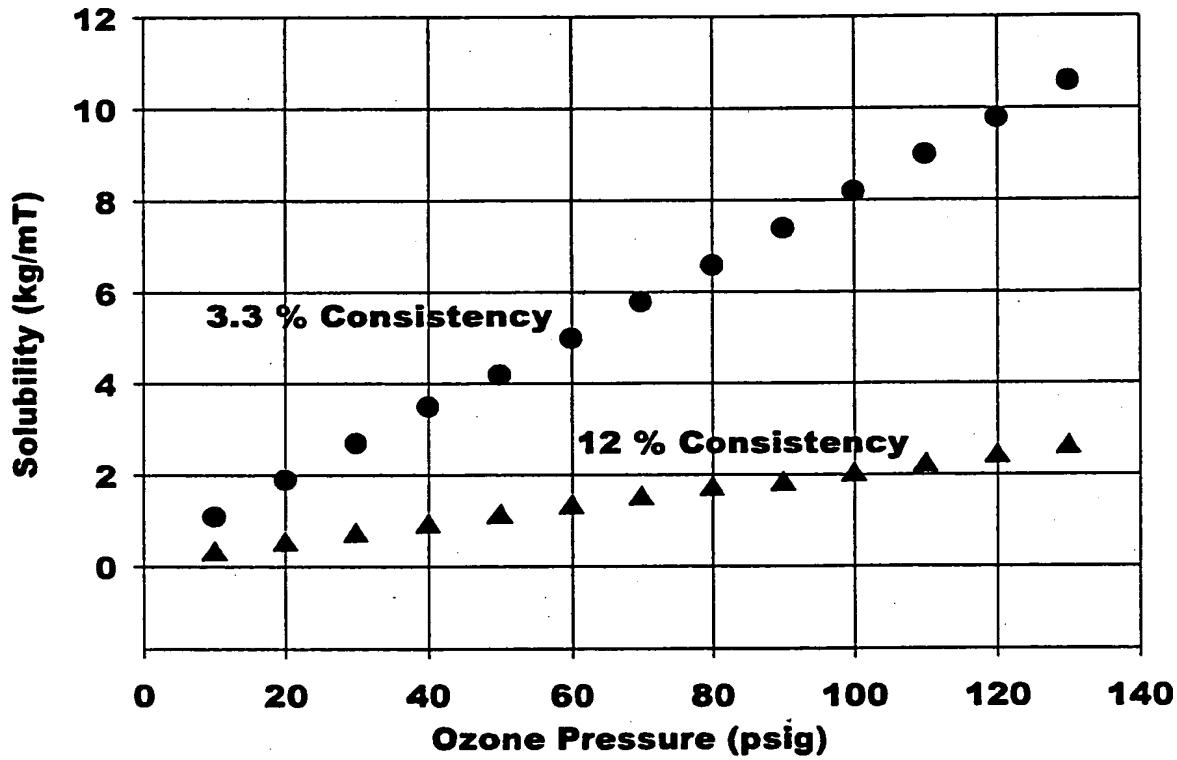


Figure 8
Ozone Solubility



Conditions:

Temperature - 40°C

Gas Composition to the mixer on weight % -

Nitrogen - 2.4 % , Argon - 5.2 % , Ozone - 13 % , Oxygen - 79.4 %